

Work Order ID 155014

Tuesday, February 14, 2017 11:44:38 AM

16 feb
155014

Report

Page 1

Item ID: D412-702-021 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration
 Start Date: 1/19/2017 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 1/26/2017 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: **DAS 21 9-89** Date: **FEB 14 2017** Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI9559	A								
IIN-D412-702-1	A	DAS 21 9-89 FEB 14 2017						DAS 21 9-89 <i>for it</i>	
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile and create labels per PPP D412-702-021 CHG003							DAS 28 9-89 FEB 15 2017	
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging								DAS 6 9-89 FEB 14 2017 DAS 27 9-89	

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Item ID: D412-702-021

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration

Start Date: 1/19/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/26/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
28
9-89

FEB 15 2017

130

Packaging

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-702-021
Location: _____

ship

DAS
28
9-89DAS
27
9-89DAS
27
9-89DAS
28
9-89

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.02

Quality Control

DAS
21
9-89

FEB 16 2017

MF
17-2-14

Picklist Print

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Page 1

Work Order ID: 155014

155014

Parent Item: D412-702-021

D412-702-021

Parent Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration

Start Date: 1/19/2017

Required Date: 1/26/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:B Removed Manufacturing 05-11-08 JLM
IPP Rev:C06.04.03As per DSI9324 JLM
IPP rev D 06.12.14 per ecn 871 EC
IPP Rev:E 07-03-14 As per DSI 9351 JLM
IPP Rev:F 07-07-28 As per Rev E JLM Verified By:ec IPP Rev.G
11.05.31 DSI 9559 EC verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4-13A		Purchased	No			120	Each	561.0000	4	4			

AN4-13A

Bolt

DAS
28
9-89

Location	Loc Qty	Loc Code
FG	20	
122808	20	
GA	76	
m134634	19	
m135470	57	
over003	300	
m136787	300	
ST344	165	
m136665	165	

DAS
6
9-89

FEB 14 2017

DAS
27
9-89

AN4-20A

AN4-20A

Bolt

DAS
28
9-89

Location	Loc Qty	Loc Code
GA	6	
m116419	6	
over003	160	
m136586	100	
m136665	60	
ST343	76	
m135966	36	
m136148	40	

8
**

DAS
6
9-89

FEB 14 2017

DAS
27
9-89

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Work Order ID: 155014

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Parent Item: D412-702-021

D412-702-021

Parent Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration

Start Date: 1/19/2017

Required Date: 1/26/2017

Start Qty: 1.00

Required Qty: 1.00

AN4-5A

Purchased

No

120

Each

113.0000

4 4

AN4-5A

BOLT

DAS
28
9-89

Location

Loc Qty

Loc Code

over003

100

m136787

100

ST345

13

m134039

13

**

DAS
6
9-89

DAS
27
9-89

FEB 11 2017

D3195-041

Manufactured

No

120

Each

7.0000

2 2

D3195-041

Bracket

DAS
28
9-89

Location

Loc Qty

Loc Code

ST021

7

152845

7

**

DAS
6
9-89

DAS
27
9-89

FEB 14 2017

D3195-043

Manufactured

No

120

Each

8.0000

2 2

D3195-043

Bracket

DAS
28
9-89

Location

Loc Qty

Loc Code

ST021

8

152844

8

**

DAS
6
9-89

DAS
27
9-89

FEB 14 2017

D3196-1

Manufactured

No

120

Each

5.0000

1 1

D3196-1

Bar

DAS
28
9-89

Location

Loc Qty

Loc Code

ST256

5

148466

5

**

DAS
6
9-89

DAS
27
9-89

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Work Order ID: 155014

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Parent Item: D412-702-021

D412-702-021

Parent Item Name: Shoulder Harness, 4 Point Attachment, 13 Man Configuration

Start Date: 1/19/2017

Required Date: 1/26/2017

Start Qty: 1.00

Required Qty: 1.00

D3196-3

Manufactured No

120

Each

3.0000

1

1

D3196-3

Bar

DAS
28
9-89

Location

Loc Qty

Loc Code

ST256

3

150581

3

D3196-4

Manufactured No

120

Each

7.0000

1

1

D3196-4

Bar

DAS
28
9-89

Location

Loc Qty

Loc Code

ST256

7

150604

1

155354

6

D3197-041

Manufactured No

120

Each

3.0000

2

2

D3197-041

Bar

DAS
28
9-89

Location

Loc Qty

Loc Code

ST256

3

152733

3

D3198-1

Manufactured No

120

Each

21.0000

4

4

D3198-1

Fitting

DAS
28
9-89

Location

Loc Qty

Loc Code

ST021

21

142843

1

150644

4

154528

6

155539

10

**

DAS
6
89

FEB 14 2017

DAS
27
9-89

**

DAS
6
89

FEB 14 2017

DAS
27
9-89

**

DAS
6
89

FEB 14 2017

DAS
27
9-89

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DAS
6
89

FEB 14 2017

DAS
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Page 4

Work Order ID: 155014

155014

Parent Item: D412-702-021

D412-702-021

Parent Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration

Start Date: 1/19/2017

Required Date: 1/26/2017

Start Qty: 1.00

Required Qty: 1.00

D3268-1

Manufactured No

120 Each

7.0000

2 2

D3268-1

Placard

DAS
28
9-89

Location

Loc Qty

Loc Code

ST028

7

151440

1

154442

6

10/12/2017

12/23/2017

D3546-1

Manufactured No

120 Each

8.0000

2 2

D3546-1

Clip

DAS
28
9-89

Location

Loc Qty

Loc Code

ST042

8

153028

8

D3551-11

Manufactured No

120 Each

25.0000

13 13

D3551-11

Hook And Loop Tie

DAS
28
9-89

Location

Loc Qty

Loc Code

ST416

25

152595

5

154432

10

154866

10

D412-702-069

Manufactured No

120 Each

5.0000

1 1

D412-702-069

Grommet

DAS
28
9-89

Location

Loc Qty

Loc Code

ST370a

5

155649

5

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Work Order ID: 155014

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Parent Item: D412-702-021

D412-702-021

Parent Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration

Start Date: 1/19/2017

Required Date: 1/26/2017

Start Qty: 1.00

Required Qty: 1.00

D4387-041

Manufactured No

120 Each

15.0000

9 9

D4387-041

Harness Assembly

**

DAS 6 27 9-89 FEB 14 2017

DAS 28 9-89

LocationLoc QtyLoc Code

ST467

15

153083

3

154430

4

154864

8

D4387-043

Manufactured No

120 Each

16.0000

4 4

D4387-043

Harness Assembly

**

DAS 6 27 9-89 FEB 14 2017

DAS 28 9-89

LocationLoc QtyLoc Code

ST467

16

150635

4

153111

4

154429

4

154863

4

MS21042L4

Purchased No

120 Each

2,500.000

12 12

MS21042L4

Nut

**

DAS 6 27 9-89 FEB 14 2017

DAS 28 9-89

LocationLoc QtyLoc Code

FP001

18

m133363

18

GA

187

m135058

187

OVER007

1500

m136450

500

m136838

1000

ST303

795

m136648

795

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Work Order ID: 155014

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Parent Item: D412-702-021

D412-702-021

Parent Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration

Start Date: 1/19/2017

Required Date: 1/26/2017

Start Qty: 1.00

Required Qty: 1.00

MS24694-S152

Purchased

No

120

Each

24.0000

8

8

MS24694-S152

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST282

24

m136182

24

MS24694-S154

Purchased

No

120

Each

22.0000

8

8

MS24694-S154

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST282

22

m135058

22

NAS1149D0463J

Purchased

No

120

Each

3,084.000

20

20

NAS1149D0463J

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

80

M134508

13

M135056

67

ST260a

1000

M136838

1000

ST263

2004

M136263

4

M136665

2000

20

DAS
6
1-89
FEB 14 2017
DAS
27
9-89

AS
6
-89
FEB 14 2017
DAS
27
9-89

DAS
6
9-89
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Work Order ID 155014

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155014

Reprint

Page 1

Item ID: D412-702-021 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration
 Start Date: 1/19/2017 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 1/26/2017 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: ^{DAS} ~~9-89~~ **21** FEB 14 2017 Run Start ***NR1***
 QC: Date: Tooling: Date: Stop ***NR2***
 SPC (Y/N): Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI9559	A								
IIN-D412-702-1	A	^{DAS} 9-89 21 FEB 14 2017							
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile and create labels per PPP D412-702-021 CHG003								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

^{DAS} ~~9-89~~ **21** FEB 15 2017

QTY -021	QTY -023	QTY -025	QTY -027	QTY -029	QTY -035	Part Number	Description
X						D412-702-021	Dart 13-Man Shoulder Harness Kit, 4-point
	X					D412-702-023	Dart 5-Man Forward Facing Shoulder Harness Kit, 4-point
		X				D412-702-025	Dart 4-Man Aft Facing Shoulder Harness Kit, 4-point
			X			D412-702-027	Dart 4-Man Side Facing Shoulder Harness Kit, 4-point
				X		D412-702-029	Dart 1-Man Forward Facing Shoulder Harness Kit, 4-point
					X	D214-702-035	Dart 5-Man Aft Facing Shoulder Harness Kit, 4-point, for Bell 214B/B-1
1	1		1	1		D412-702-069	GROMMET KIT
2	2					D3195-041	BRACKET
2	2					D3195-043	BRACKET
1	1			1		D3196-1	BAR
1			1			D3196-3	BAR
1			1			D3196-4	BAR
2	2					D3197-041	BAR
4		4				D3198-1	FITTING
2	2					D3268-1	PLACARD
9	5		4	1		D3446-041	HARNESS ASSEMBLY, 4 POINT
4		4				D3446-043	HARNESS ASSEMBLY, 4 POINT
					5	D3446-045	HARNESS ASSEMBLY, 4 POINT
13	5	4	4	1	5	D3551-11	HOOK AND LOOP TIE
2	2					D3546-1	CLIP
4		4				AN4-5A	BOLT
4	4					AN4-13A	BOLT
8		8				AN4-20A	BOLT
20		20				AN960JD416	WASHER (OR NAS1149D0463J)
12		12				MS21042L4	NUT (OR MS21042-4)
8	2		6	2		MS24694-S152	SCREW
8	2		6	2		MS24694-S154	SCREW

QTY -069	Part Number	Description
X	D412-702-069	GROMMET KIT
24	D3619-2	GROMMET
1	D3619-2T1	HOLE PUNCH
1	D3619-2T2	STRIKER BLOCK
1	D3619-2T3	PUNCH
1	D3619-2T4	DIE

DART SERVICE INSTRUCTION

TO AMEND IIN-D412-702-1 REV. A,
AND ICA-D412-702 REV. 4 OR EARLIER APPROVED REVISIONS
REF. TCCA STC: SH04-7
REF. FAA STC: SR01997NY
REF. EASA STC: EASA.IM.R.S.00710

PURPOSE

The purpose of this DSI is to outline the replacement of existing D3446-041/-043 Shoulder Harnesses with the new and improved D4387-041/-043 Shoulder Harnesses.

CHANGE

For the following Kits, the D4387-041 and D4387-043 Shoulder Harnesses respectively replace the D3446-041 and D3446-043 Shoulder Harnesses as follows:

Old Harness P/N	Used On	New Harness P/N	Effectivity
D3446-041	D412-702-021	D4387-041	CHG 003 and subsequent
	D412-702-023		
	D412-702-027		CHG 002 and subsequent
	D412-702-029		
D3446-043	D412-702-021	D4387-043	CHG 003 and subsequent
	D412-702-025		CHG 002 and subsequent

Customers who want to upgrade their shoulder harnesses may replace their existing D3446-041/-043 with D4387-041/-043 per this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.05.09
CERT. NO.: SH04-7
ISSUE NO.: 3

A	NEW ISSUE	MB	11.05.09
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9559	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		HARNESS CHANGE	NTS
DATE	11.05.09	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	